

Table 4.2
Cancer of the Female Breast (Invasive)

Trends in SEER Incidence^{ab} and U.S. Mortality^c Using the Joinpoint Regression Program,
1975-2011 With up to Five Joinpoints, 1992-2011 With up to Three Joinpoints,
Ages <50 by Race/Ethnicity

	JP Trend 1		JP Trend 2		JP Trend 3		JP Trend 4		JP Trend 5		JP Trend 6		AAPC ^d	
	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	Years	APC	2002-11	2007-11
<u>SEER 9 Delay-Adjusted Incidence^a, 1975-2011</u>														
All Races	1975-80	-1.3	1980-87	2.7*	1987-94	-0.8	1994-11	0.3*					0.3*	0.3*
White	1975-80	-1.1	1980-87	2.6*	1987-94	-0.8	1994-11	0.3*					0.3*	0.3*
Black	1975-91	1.5*	1991-01	-1.0	2001-11	1.0*							1.0*	1.0*
<u>SEER 13 Delay-Adjusted Incidence^b, 1992-2011</u>														
All Races	1992-11	0.2*											0.2*	0.2*
White	1992-11	0.2*											0.2*	0.2*
Black	1992-01	-1.1	2001-11	0.9*									0.9*	0.9*
<u>SEER 9 Observed Incidence^a, 1975-2011</u>														
All Races	1975-80	-1.4	1980-85	3.1*	1985-11	0.0							0.0	0.0
White	1975-80	-1.1	1980-87	2.6*	1987-94	-0.8	1994-11	0.2*					0.2*	0.2*
Black	1975-91	1.5*	1991-01	-1.0	2001-11	0.8							0.8	0.8
<u>SEER 13 Observed Incidence^b, 1992-2011</u>														
All Races	1992-11	0.2*											0.2*	0.2*
White	1992-11	0.1											0.1	0.1
White NH ^{ef}	1992-11	0.4*											0.4*	0.4*
Black	1992-01	-1.1	2001-11	0.8									0.8	0.8
Black NH ^{ef}	1992-01	-1.2*	2001-11	1.0*									1.0*	1.0*
API ^e	1992-11	0.8*											0.8*	0.8*
AI/AN ^{eg}	1992-11	0.0											0.0	0.0
Hispanic ^f	1992-11	0.0											0.0	0.0
<u>U.S. Cancer Mortality^c, 1975-2011</u>														
All Races	1975-91	-0.4*	1991-99	-3.7*	1999-11	-2.6*							-2.6*	-2.6*
White	1975-91	-0.7*	1991-99	-4.3*	1999-11	-2.6*							-2.6*	-2.6*
Black	1975-87	1.8*	1987-95	-1.1*	1995-11	-2.5*							-2.5*	-2.5*
<u>U.S. Cancer Mortality^c, 1992-2011</u>														
All Races	1992-11	-3.0*											-3.0*	-3.0*
White	1992-11	-3.2*											-3.2*	-3.2*
White NH ^{ef}	1992-99	-4.2*	1999-11	-2.5*									-2.5*	-2.5*
Black	1992-11	-2.4*											-2.4*	-2.4*
Black NH ^{ef}	1992-11	-2.2*											-2.2*	-2.2*
API ^e	1992-01	-0.8	2001-09	-5.2*	2009-11	8.4							-2.4	1.3
AI/AN ^{eg}	1992-11	-2.2*											-2.2*	-2.2*
Hispanic ^f	1992-11	-2.9*											-2.9*	-2.9*

Joinpoint Regression Program Version 4.1.0, April 2014, National Cancer Institute. (<http://surveillance.cancer.gov/joinpoint/>).
^a The APC is the Annual Percent Change based on rates age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130).
^b Trends are from the SEER 9 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, and Atlanta).
^c Trends are from the SEER 13 areas (SEER 9 Areas, Los Angeles, San Jose-Monterey, Rural Georgia, and the Alaska Native Registry).
^d Trends are from US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.
^e The AAPC is the Average Annual Percent Change and is based on the APCs calculated by Joinpoint.
^f API - Asian/Pacific Islander, AI/AN - American Indian/Alaska Native, NH - Non-Hispanic
Hispanic and Non-Hispanic are not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives. Incidence data for Hispanics and Non-Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.
The Hispanic and Non-Hispanic mortality trends exclude deaths from New Hampshire and Oklahoma.
^g Data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.
* The APC/AAPC is significantly different from zero (p<.05).
- Joinpoint regression line analysis could not be performed on data series.